```
  7 PRINT "CHECKERS";GOTO 3000
  8 R=U;Q=-1;X=11;U=89;T=-1;V=8;A=12
  9 NEXT Q;NEXT X
 10 NEXT U;NEXT V;IF T<0GOTO 1200
 20 GOSUB 2000;PRINT "YOU WIN";STOP
 50 CX=-71;FOR U=ATO 89;IF @(U)<4GOTO 55;A=U;U=89
 55 NEXT U;FOR V=1TO 8;PRINT #1,V,;FOR U=ATO 89;IF @(U)<4GOTO 10
 60 FOR X=9TO 11STEP 2;FOR Q=1TO -1STEP -2;IF @(U)=4Q=-1
 70 B=QbX;S=U+B;IF @(S)=0GOTO 9
 75 IF V>2IF @(S)#3GOTO 9
 80 C=B+B;F=Qb20;Z=Vb100;GOTO Z
100 IF @(U+C)#3GOTO 9
200 IF @(S)>2GOTO 9
220 IF V=1 S=U+C;GOTO 8
230 S=U-B;IF @(S)#3GOTO 9
235 IF @(U-C+F)=2GOTO 260
240 IF @(U-F)>3 U=U-F;GOTO 8
250 IF @(U-C)>3 U=U-C;GOTO 8
260 S=U-B+F;IF @(S)=3GOTO 8
290 GOTO 9
300 IF @(S-F)#1GOTO 9
310 IF @(S)=3GOTO 8
320 S=S-2b(X-10);IF @(S)=3GOTO 8
330 GOTO 9
400 IF @(U+C)=0IF @(U)=4GOTO 8
410 GOTO 9
500 L=1
600 L=1;IF @(U+C)<3GOTO 9
610 IF @(U+F)<3IF @(U+C-F)=3GOTO 9
620 IF @(U+F)=3IF @(U+C-F)=1GOTO 9
625 IF V=5GOTO 700
630 L=L+1;D=@(U+LbB);IF (D=0)+(D>3)GOTO 9
650 IF L#2IF D<3GOTO 8
660 GOTO 630
700 IF @(U)=5GOTO 9
800 GOTO 8
1000 CX=-71;CY=40;PRINT "FROM";GOSUB 1700;R=I;PRINT " TO";GOSUB 1700;S=I
1005 BOX -45,14,62,60,2
1010 IF (@(R)>2)+(@(R)=0)+(@(S)#3)GOTO 1000
1040 IF @(R)#1IF R>5GOTO 1000
1200 IF ((S-R)b(S-R))<122GOTO 1600
1210 IF T>0IF @((S+R)c2)<4GOTO 1000
1220 J=T;@(S)=@(R);@((S+R)c2)=3;@(R)=3
1400 FOR X=9TO 11STEP 2;G=S+JbX;IF (@(G)=3+T)+(@(G)=3+T+T)GOTO 1450
1430 GOTO 1500
1450 G=S+2bJbX;IF @(G)#3GOTO 1500
1470 R=S;S=G;X=11;NEXT X;GOTO 1220
1500 NEXT X;IF (ABS(@(S)-3))=2IF J=T J=-T;GOTO 1400
1510 GOSUB 2000;GOTO 1610
1600 @(S)=@(R);@(R)=3;I=R;GOSUB 2020;I=S;GOSUB 2020
1610 IF T>0IF S>80@(S)=1
1620 IF T<0IF S<20@(S)=5
1630 IF T>0GOTO 50
1640 T=1;BOX -45,14,62,60,2;GOTO 1000
1700 INPUT " ROW"M;INPUT " COL"N;I=Mb10+N+1;RETURN
2000 CLEAR ;FOR I=1TO 8;CY=40;CX=-6+Ib10;PRINT #1,I,;NEXT I;FOR I=1TO 8;CX=-5
2010 CY=-4S+Ib10;PRINT #1,I,;NEXT I
2011 LINE -2,0,2;LINE -2,-44,1;LINE 77,-44,1;LINE 77,35,1;LINE -2,35,1;LINE -2,0
```

```
,1
2012 FOR I=12TO 89;IF @(I)#0GOSUB 2020
2015 NEXT I;RETURN
2020 M=-17+(I-(Ic10)b10)b10
2030 N=-49+(Ic10)b10
2040 BOX M,N,10,10,1;IF @(I)#3 J=ABS(@(I)-3)b3;BOX M,N,8,J,3
2050 IF @(I)>3BOX M,N,6,J-2,3
2100 RETURN
3000 FOR I=1TO 100;@(I)=0;NEXT I;FOR I=12TO 18STEP 2
3010 @(I)=2;@(I+11)=2;@(I+20)=2;@(I+31)=3;@(I+40)=3
3020 @(I+51)=4;@(I+60)=4;@(I+71)=4;NEXT I;A=67
3030 GOSUB 2000;GOTO 50
>
```

5Z209

```
LOWERCASE = 1-BYTE KEYPAD WORDS. UNDERSCORES
 = SPACES.     1727 CHARACTERS

 ___4_.
___6_.
___7_print *(C)CHECKERS<JOHN_COLLINS";goto 30
00
___B_R=U;Q=-1;X=11;U=89;T=-1;V=8;A=12
___9_next Q;next X
__10_next U;next V;if T<0goto 1200
__20_gosub 2000;print *KEY_run *;STOP
__50_CX=-71;for U=Ato 89;if @(U)<4goto 55;A=U
;U=89
__55_next U;for V=1to 8;print #1,V,;for U=Ato
 89;if @(U)<4goto 10
__60_for X=9to 11step 2;for Q=1to -1step -2;i
f @(U)=4Q=-1
__70_B=QxX;S=U+B;if @(S)=0goto 9
__75_if V>2if @(S)#3goto 9
__80_C=B+B;F=Qx20;Z=Vx100;goto Z
_100_if @(U+C)#3goto 9
_200_if @(S)>2goto 9
_220_if V=1_S=U+C;goto 8
_230_S=U-B;if @(S)#3goto 9
_235_if @(U-C+F)=2goto 260
_240_if @(U-F)>3_U=U-F;goto 8
_250_if @(U-C)>3_U=U-C;goto 8
_260_S=U-B+F;if @(S)=3goto 8
_290_goto 9
_300_if @(S-F)#1goto 9
_310_if @(S)=3goto 8
_320_S=S-2x(X-10);if @(S)=3goto 8
_330_goto 9
_400_if @(U+C)=0if @(U)=4goto 8
_410_goto 9
_500_L=1
_600_L=1;if @(U+C)<3goto 9
_610_if @(U+F)<3if @(U+C-F)=3goto 9
_620_if @(U+F)=3if @(U+C-F)=1goto 9
_625_if V=5goto 700
_630_L=L+1;D=@(U+LxB);if (D=0)+(D>3)goto 9
_650_if L#2if D<3goto 8
_660_goto 630
_700_if @(U)=5goto 9
_800_goto 8
1000_CX=-71;CY=40;print *FROM";gosub 1700;R=I
;print *_TO";gosub 1700;S=I
1010_if (@(R)>2)+(@(R)=0)+(@(S)#3)goto 1000
1040_if @(R)#1if R>Sgoto 1000
1200_if ((S-R)x(S-R))<122goto 1600
1210_if T>0if @((S+R)+2)<4goto 1000
1220_J=T;@(S)=@(R);@((S+R)+2)=3;@(R)=3
1400_for X=9to 11step 2;D=S+JxX;if (@(G)=3+T)
+(@(G)=3+T+T)goto 1450
1430_goto 1500
1450_G=S+2xJxX;if @(G)#3goto 1500
1470_R=S;S=G;X=11;next X;goto 1220
1500_next X;if (ABS(@(S)-3))=2if J=T_J=-T;got
o 1400
1510_gosub 2000;goto 1610
1600_@(S)=@(R);@(R)=3;I=R;gosub 2020;I=S;gosu
b 2020
1610_if T>0if S>80@(S)=1
1620_if T<0if S<20@(S)=5
1630_if T>0goto 50
1640_T=1;goto 1000
1700_input *_ROW"N;input *_COL"N;I=Mx10+N+1;r
eturn
2000_clear ;for I=1to 8;CY=40;CX=-6+Ix10;prin
t #1,I,;next I;for I=1to 8;CX=-5
2010_CY=-49+Ix10;print #1,I,;next I;for I=12t
o 89;if @(I)#0gosub 2020
2015_next I;return
2020_M=-17+(I-(I+10)x10)x10
2030_N=-49+(I+10)x10
2040_box M,N,10,10,1;if @(I)#3_J=ABS(@(I)-3)x
3;box M,N,8,J,3
2050_if @(I)>3box M,N,6,J-2,3
2100_return
3000_for I=1to 100;@(I)=0;next I;for I=12to 1
8step 2
3010_@(I)=2;@(I+11)=2;@(I+20)=2;@(I+31)=3;@(I
+40)=3
3020_@(I+51)=4;@(I+60)=4;@(I+71)=4;next I;A=6
7
3030_gosub 2000;goto 50
>
```

64 p66

```
:INPUT %(20258)
>%(20124)=20258
>LIST
 1 GOTO 300
 2 M=(I-(IcG)bG)bG-17;N=(IcG)bG-49;BOX M,N,G,G,1;IF *(I)#3J=ABS(*(I)-3)b3;BOX M,
N,8,J,3
 3 IF *(I)>3BOX M,N,6,J-2,3
 4 RETURN
 8 R=U;Q=-1;X=11;W=K;K=Y;T=-1;V=8;IF J=1K=0
 9 NEXT Q;NEXT X
10 NEXT K;NEXT V;IF T<0GOTO 95
12 GOSUB 250;PRINT "KEY RUN ";STOP
13 J=RND (2);CX=E;FOR V=1TO 8;PRINT #1,V,;IF J=2FOR K=0TO Y;GOTO 15
14 FOR K=YTO 0STEP -1
15 U=*(K);IF U=0GOTO G
16 FOR X=9TO 11STEP 2;FOR Q=1TO -1STEP -2;IF *(U)=4Q=-1
17 B=QbX;S=U+B;IF *(S)=0GOTO 9
18 IF V>2IF *(S)#3GOTO 9
19 C=B+B;F=Qb20;Z=VbG+G;GOTO Z
20 IF (*(U+C)#3)+(*(S)>2)GOTO 9
22 S=U+C;GOTO 8
30 IF *(S)>2GOTO 9
32 S=U-B;IF *(S)#3GOTO 9
33 IF *(U-C+F)=2GOTO 36
34 IF *(U-F)>3U=U-F;GOTO 8
35 IF *(U-C)>3U=U-C;GOTO 8
36 S=U-B+F;IF *(S)=3GOTO 8
37 GOTO 9
40 IF *(S-F)#1GOTO 9
42 IF *(S)=3GOTO 8
44 S=S-2b(X-G);IF *(S)=3GOTO 8
46 GOTO 9
50 IF *(U+C)=0IF *(U)=4GOTO 8
52 GOTO 9
60 .
70 L=1;P=U+C;IF *(P)<3GOTO 9
72 IF *(U+F)<3IF *(P-F)=3GOTO 9
74 IF *(U+F)=3IF *(P-F)=1GOTO 9
76 IF V=5GOTO 80
77 L=L+1;D=*(U+LbB);IF (D=0)+(D>3)GOTO 9
78 IF L#2IF D<3GOTO 8
79 GOTO 77
80 IF *(U)=5GOTO 9
90 GOTO 8
91 PRINT " ROW",;M=KP;TV=M;PRINT ;PRINT " COL",;N=KP;TV=N;PRINT ;I=(M-48)bG+N-47
;RETURN
92 CX=E;CY=40;FOR I=1TO 8;PRINT "        ";NEXT I;CY=40;PRINT " FROM";GOSUB 91;R=
I;PRINT "TO ";GOSUB 91;S=I
93 IF (*(R)>2)+(*(R)=0)+(*(S)#3)GOTO 92
94 IF *(R)#1IF R>SGOTO 92
95 IF (ABS(S-R))<12GOTO 200
96 IF T>0IF *((S+R)c2)<4GOTO 92
98 J=T;*(S)=*(R);I=(S+R)c2;*(I)=3;*(R)=3;IF T>0FOR L=0TO Y;IF *(L)=I*(L)=0;L=Y
99 IF T>0NEXT L
100 FOR X=9TO 11STEP 2;H=S+JbX;IF (*(H)=3+T)+(*(H)=3+T+T)GOTO 120
102 ?
110 GOTO 140
120 H=S+2bJbX;IF *(H)#3GOTO 140
```

```
130 R=S;S=H;X=11;NEXT X;GOTO 98
140 NEXT X;IF (ABS(*(S)-9))=2IF J=T J=-T;GOTO 100
150 GOSUB 250;GOTO 210
200 *(S)=*(R);*(R)=3;I=R;GOSUB 2;I=S;GOSUB 2
210 IF T>0IF S>80*(S)=1
220 IF T<0*(W)=S;IF S<20*(S)=5
230 IF T>0GOTO 13
240 T=1;GOTO 92
250 CLEAR ;FOR I=1TO 8;CY=40;CX=IbG-6;PRINT #1,I,;NEXT I;FOR I=1TO 8;CX=-5
260 CY=IbG-49;PRINT #1,I,;NEXT I;FOR I=12TO 89;IF *(I)GOSUB 2
270 NEXT I;RETURN
300 FC=107;&(9)=17;&(0)=7;&(1)=7;&(2)=8;&(3)=8;X=100;FOR I=0TO X;*(I)=0;NEXT I
305 FOR I=12TO 18STEP 2;FOR J=0TO 7;C=Jc2;L=I+RM+GbJ;IF J<3*(L)=2
310 IF J>4*(L)=4;X=X+1;*(X)=L
320 IF J>2IF J<5*(L)=3
330 NEXT J;NEXT I;GOSUB 250;GOTO 13
>
```

Sally Clarke

propriétary